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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/607,551	06/27/2003	Choong Jae Lee	DPO-0005	7421

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EXAMINER
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GESESSE, TILAHUN

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 02/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/607,551	<b>Applicant(s)</b> LEE, CHOONG JAE	
	<b>Examiner</b> Tilahun B. Gesesse	<b>Art Unit</b> 2684	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 27 June 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 22 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21,23-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This is in response to applicant election to the restriction requirement filed January 10, 2006.

#### ***Election/Restrictions***

2. Applicant's election with traverse of the restriction requirement in the reply filed on January 10, 2006 is acknowledged. The traversal is on the ground(s) that applicant's alleged argument that the subject matter of each designated invention would encompass without serious burden. This is not found persuasive because the inventions as restricted in group I and II are separate fields and the subject matter between these two groups are unrelated and search cannot be conducted without burden. For the purpose of rejection, claim 22 is considered as withdrawn from consideration or as unelected. In response to the office action, applicant is advised to delete the claim.

The requirement is still deemed proper and is therefore made FINAL.

#### ***Specification***

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-21 and 23- 24 are rejected under 35 U.S.C. 102(e) as being anticipated by **Park U.S. patent No. 6,704,586**.

Claim 1, **Park teaches** a mobile communication terminal,( see figure 2, a radiotelephone capable of visual communication having a main body , a folder and a hinge and camera lens assembly , see abstract) comprising:

**Park teaches** a body part (see figure 2, radiotelephone capable of visual communication having a main body, a folder and a hinge and camera lens assembly , see abstract) .

**Park teaches** a folder part (30) that folds moves between a first (open position) and a second position (folded position of radiotelephone) relative to the body part (30) (see column 3, lines 12-50 and figure 2) and

**Park teaches** a camera,(40) wherein the camera protrudes from the mobile communication terminal when the folder part is in the first position (column 1, lines 41-42) and wherein the camera is inserted within the mobile communication terminal when the folder part is in these second position (see column 3 lines 1-11 and figure 1).

Claim 2. **Park teaches** a camera installing part (40) that installs said camera in the mobile communication terminal (see figure 2) wherein the camera protrudes out of the camera(the lens housing includes a camera lens assembly and an opening through which a lens of the camera lens assembly is exposed to the outside, abstract) installing

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part when the folder part is unfolded away from the body part, and the camera is inserted into the camera installing part when the folder part is folded toward the body part ( see column 3, lines 12-50 and figures 2 and 1) .

Claim 3, **park teaches** the camera installing part is formed in a hinge pan formed where the body part and the folder part meet (hinge axis 30, see figure 2).

Claim 4. Park teaches the hinge part (30) comprises a folder hinge part (30) and a body hinge part (see figures 2 and 3).

Claim 5. Park teaches a camera case formed next to the hinge part (see figure 3).

Claim 6, **Park teaches** a camera module having a lens and an electronic circuit inserted therein (column 3, line 52-63 and figure 3) and a camera shaft coupled with the camera module, wherein the camera module moves when the folder part moves (see cylinder abstract and column 3, lines 18-35).

Claim 7. **Park teaches** the camera module is coupled with the camera shaft and the camera module rotates about the camera shaft (see cylinder abstract and column 3, lines 18-35).

Claim 8, **Park inherently teaches** an outer diameter of the camera shaft is smaller than that an inner diameter of the camera module (see figures 3-4).

Claim 9. **Park teaches** a hooking sill formed at one end of the camera shaft (column 3, lines 18-35).

**Park teaches** a snap ring locking groove formed inside the hooking sill on the camera shaft; an end sill having a diameter smaller than the hooking sill formed on one

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end of the camera module; and a snap ring coupled with the snap ring locking groove so that the camera shaft fitted in the camera module is not released easily from the camera module (column 3, lines 12-35 and figures 3-4).

Claim 10. **Park teaches** plurality of snap recesses is formed at a side end of the camera module, wherein a plurality of snap protrusions is formed on a snap ring adjacent to the camera module, and wherein the snap recesses are locked in the snap protrusions (column 3, lines 12-35 and column 1, lines 35-45).

Claim 11. **Park teaches** a driving pin formed at the hinge pan to protrude inward; and a guide groove formed at a circumference of the camera shaft to lock the driving pin therein, wherein the driving pin is coupled with the guide groove to move the camera shaft when the folder pan is moved in reference from the body part. (see column 3, lines 12-35 and figures 3-4).

Claims 12-15. **Park teaches** a hinge pan formed where the body part and the folder part meet; a hook having both sides bisected formed at an end of the camera shaft; and a hooking ring sill formed on an inner circumference of the hinge part to protrude inward, wherein the hook is interlocked with the hooking ring sill column 3, lines 12-35 and figures 3-4).

Claim 16. **Park teaches** a camera case formed next to the hinge part (see figure 3).

Claim 17, **Park teaches** the camera selectively protrudes when the folder part is in the first position according to a user action (column 1, lines 35-45).

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Claims 18-19. **Park teaches** a mobile communication terminal,( see figure 1) comprising:

**Park teaches** a first body part; a second body part; a hinge part connecting the first body pan and the second body part; (see figure 2) a camera holder enclosed in the hinge part (see lens at the hinge , see figure 2); and a camera in the camera holder, wherein when the first body pan and the second body part are at a first predetermined angle relative to one another(column 1, lines 41-42), the camera protrudes from the camera holder, and wherein when the first body part and the second body part are at a second predetermined angle relative to one another, the camera is embedded within the camera holder (column 3 lines 1-11 and figures 1 and 2).

Claim 20, Park teaches the first predetermined angle is greater than the second predetermined angle (camera angle in figure 2 is greater than angle in figure 1).

Claim 21. **Park teaches** when the rotating camera holder rotates from the second predetermined angle to the first predetermined angle, the camera selectively protrudes from inside the camera holder to outside the camera holder according to a user operation (see column 4, lines 12-45 and figures 4-5).

Claims 23-24, **Park teaches** a method of operating a mobile communication terminal (see figure 2), comprising:

**Park teaches** providing a body part (see figure 2);

**Park teaches** rotatably coupling a folder part to the body part to move between an open and a closed position (see figure 2).

**Park teaches** retractably extending a camera outside the mobile communication terminal as the folder moves to the open position (see column 1, lines 35-45 and figure 2).

### **Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882.

The Central FAX Number will change to 571-273-8300. This new Central FAX Number is the result of relocating the Central FAX server to the Office's Alexandria, Virginia campus.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through



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2/13/06  
*Tilahun Geesse*  
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PRIMARY EXAMINER